

Lightsource Test Report

Product Infomation

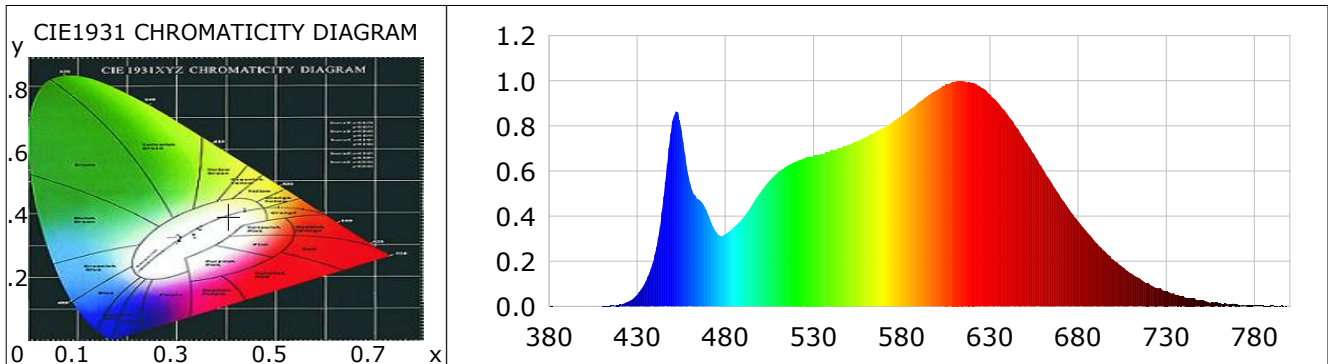
Product Type: 1

Product Number: 271

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4052$ $y=0.3925$ $u(u')=0.2349$ $v=0.3413$ $v'=0.5120$
CCT: $T_c=3517K$ ($duv=0.00079$) Color Ratio: $R=0.217$ $G=0.746$ $B=0.037$
Peak Wavelength: 613.0nm Half Bandwidth: 169.5nm
Dominant Wavelength: 580.5nm Color Purity: 0.394
Central Wave: 584.1nm Gravity Wave: 593.7nm
CRI: $R_a=93.1$ TM30: $R_f=91$, $R_g=97$
GAI: $GAI_BB_8=95.4$, $GAI_BB_15=101.6$, $GAI_EES=66.7$

R1 =94	R2 =97	R3 =99	R4 =94	R5 =93	R6 =96	R7 =91	R8 =81
R9 =56	R10=93	R11=95	R12=76	R13=95	R14=99	R15=89	TLCI=89
Color Quality Scale: $Q_a=92.6$, $Q_f=92.7$, $Q_p=92.2$, $Q_g=96.4$							
Q1 =89	Q2 =97	Q3 =91	Q4 =90	Q5 =93	Q6 =94	Q7 =95	Q8 =96
Q9 =99	Q10=97	Q11=97	Q12=96	Q13=95	Q14=88	Q15=88	



Photometric Parameters

Luminous Flux: 3657.6 lm Efficiency: 109.34 lm/W Radiant Power: 11.805 W
Total mains efficacy: 109.34 lm/W Energy Efficiency Class: F (EU 2019/2015)
Melanin Flux: 2.909 W M/R: 0.6617 MDER: 0.6021

Electric Parameters

Voltage: 229.40V Current: 0.1530A Power: 33.45W
Power Factor: 0.9420 Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T
Max of Signal: 47082 (2737) CCD Integration Time: 200.91 ms

Condition: $T_x:26.7^{\circ}C$, $T_i:24.6^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: CMS-2S (Plus)
Test Time: 2025-12-10 13:07:29
Auditor: